



# TYPICAL SUBSTATION (109E2) INTERLOCK SCHEME

1. TO OPEN PRIMARY SWITCH
  - A. OPEN SECONDARY MAIN BREAKER AND LOCK OPEN. REMOVE KEY A-7 AND INSERT INTO PRIMARY SWITCH.
  - B. OPEN PRIMARY SWITCH.
2. TO CLOSE GROUND SWITCH
  - OPEN SECONDARY BREAKER AND PRIMARY SWITCH AS IN 1. ABOVE.
  - A. REMOVE KEY A-7 AND INSERT INTO TRANSFER BLOCK #1 AT FEEDER CIRCUIT BREAKER AT PARALLELING AND DISTRIBUTION SWITCHGEAR.
  - B. ALL SUBSTATIONS ON THE FEEDER MUST HAVE SECONDARY BREAKERS AND PRIMARY SWITCHES OPENED, RELEASING RESPECTIVE KEYS, WHICH ARE INSERTED IN TRANSFER BLOCK #1 AT FEEDER CIRCUIT BREAKER.
  - C. WHEN ALL KEYS ARE INSERTED INTO TRANSFER BLOCK #1, KEY R-1 CAN BE REMOVED AND INSERTED INTO BLOCK #2.
  - D. KEY G-2 IS RELEASED WHICH CAN BE INSERTED INTO SUBSTATION GROUND SWITCH.
  - E. KEY K-2, WHICH WAS RELEASED WHEN THE PRIMARY SWITCH WAS LOCKED OPEN, IS INSERTED INTO THE GROUND SWITCH, ALLOWING IT TO BE CLOSED.
  - F. KEY G-1, ALSO RELEASED, FROM TRANSFER BLOCK #2, IS USED TO RELEASE THE G+T DEVICE, WHICH CAN BE INSERTED INTO THE FEEDER BREAKER CUBICLE.

## NOTES:

1. SUBSTATIONS SS109E1, SS109E2 AND SS41E1 ARE EXISTING. EXISTING KEY INTERLOCKS ARE TO BE RETAINED.
2. KEY INTERLOCK TRANSFER BLOCKS 1 AND 2 ARE EXISTING AND ARE TO BE RELOCATED FROM EXISTING BROADCASTERS SETUP TRANSFORMER.
3. KEY INTERLOCK G1 IS EXISTING AND IS TO BE RELOCATED FROM EXISTING BROADCASTERS TRANSFORMER AND MOUNTED ON G+T DEVICE.